

Nicolas Dean Basil

Work Experience

2018-present **Chemical Lab Technician** — *Toray Composite Materials America, Inc.*

- Perform and possess qualifications for multiple chemical, physical, and thermal tests, including DSC, HPLC, FTIR spectroscopy, rheology, insoluble content, and acid digestion
- Prepare samples, run tests, analyze data, format reports, and review data for raw materials, intermediate resins, and final prepreg
- Strong ability to understand technical laboratory data and check for accuracy
- Communicate with engineers from the Technical Department to collaborate on cross-departmental test requests requiring data from the Test Lab
- Able to perform both laboratory tests and batch review consistently and accurately
- Developed multiple new time-saving procedures, including streamlining specimen conditioning organization and automating resin batch file creation (50% faster) with VBA
- Assisted the Quality Department with final prepreg batch review when short-handed

2017-2018 **Lab Technician** — *TestAmerica Inc.*

- Knowledge of and ability to perform organic extractions according to EPA SW-846 3510C, 3520C, EPA 600 series, and EPA 8000 series methods
- Used proprietary laboratory information management system (LIMS) to check backlog, create batches, fill out internal chain of custody, and write non-conformance memos

Education

2013-2017 **University of Washington** — *Seattle, WA*

- Bachelor of Science in Chemistry, Biochemistry
- Minor in Applied Mathematics

Professional Skills

- Possess strong understanding of quality assurance practices, including the use of statistical process control and control limits to maintain and improve processes
- Familiar with coding in Visual Basic for Applications (VBA), MATLAB, Java, and HTML/CSS
- Highly proficient with Microsoft Office program suite
 - Microsoft Excel and Word Expert Certified; PowerPoint and Access Core Certified
 - Utilize macros and formulas in Excel to automate repetitive work and increase productivity
- Experience with a variety of technical computer programs: Empower, Mathematica, MATLAB
- Detail-oriented, organized, and persistent worker with creative solutions to problems
- Adept computer navigation skills, computer troubleshooting abilities, technical knowledge of computer systems, and typing speed of 80 words per minute

Leadership Experience

2016-2017 **Vice President of Undergraduate Student Ministry Team (SMT)** — *UW Catholic Newman Center*

- Lead and support all the programs and events sponsored by 45-person team through communication with and leadership over four individual committees

2015-2017 **Logistics and Technology Lead** — *Ignite Conference Planning Team*

- Designed retreat literature and worked in collaboration with speakers to prepare presentations for the Ignite Conference, a meeting of Catholic ministries in Washington